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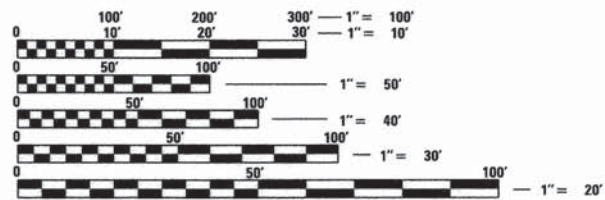
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**HIGHWAY STANDARDS**

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-08 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424026-01 ENTRANCE /ALLEY PEDESTRIAN CROSSINGS
- 442201-03 CLASS C AND CLASS D PATCHES
- 606001-06 CONCRETE CURB TYPE B AND COMB CONCRETE C&G
- 701006-05 OFF-ROAD OP, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
- 701501-06 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701801-06 SIDEWALK, CORNER, OR CROSSWALK CLOSURE
- 701901-05 TRAFFIC CONTROL DEVICES

ENGINEERING PLAN SUBMITTAL	
THESE ENGINEERING PLANS AND SUPPORTING DOCUMENTS ARE ISSUED FOR THE FOLLOWING PURPOSE ONLY	
<input type="checkbox"/>	PRELIMINARY PLAN REVIEW NO. 1
<input type="checkbox"/>	PRE-FINAL PLAN REVIEW NO.
<input type="checkbox"/>	FINAL PLAN REVIEW NO.
<input type="checkbox"/>	PERMIT APPLICATION
<input checked="" type="checkbox"/>	BIDDING
<input type="checkbox"/>	CONSTRUCTION

DATE: 02-03-2016



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811



Know what's below.  
Call before you dig.

**PROJECT ENGINEER PETER SMIT**  
**PROJECT MANAGER SCOTT LACKEY**

**CONTRACT NO. 91523**

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**  
**PROPOSED**  
**SAFE ROUTES TO SCHOOL**  
**VILLAGE OF BEMENT**  
**PIATT COUNTY**

**VARIOUS ROUTES**  
**SECTION 14-00100-00-SW**  
**PIATT COUNTY**  
**PROJECT SRTS-4009(313)**

C-95-309-15



**LOCATION MAP**

NOT TO SCALE  
PROJECT GROSS LENGTH  
PIATT ST = 4830.00 FT. = 0.915 MILES  
WING ST = 2400.00 FT. = 0.455 MILES  
TOTAL = 7230.00 FT = 1.369 MILES



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*Scott A. Lackey* 3/17/16  
Signature Date  
License Expires 11-30-2017

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
VAR	14-00100-00-SN	PIATT	16	1
		ILLINOIS	CONTRACT NO 91523	



VILLAGE OF BEMENT	
APPROVED	<i>March 17 2016</i> <i>Patrick Smit</i> VILLAGE PRESIDENT
PASSED	<i>March 23 2016</i> <i>Scott Lackey</i> DISTRICT 5 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW	<i>March 23 2016</i> <i>Scott Lackey</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

**PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS**

**GENERAL NOTES**

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE IL DEPARTMENT OF TRANSPORTATION AS SHOWN ON THE SCHEDULE OF STANDARD DRAWINGS ON THE GENERAL NOTES SHEET.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND/OR MONUMENTS UNTIL THE OWNER, AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED, OR REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

THE CONTRACTOR SHALL COORDINATE ACTIVITIES WITH ALL UTILITIES WITHIN THE PROJECT LIMITS. THE CONTRACTOR IS REQUIRED TO CONTACT J.U.L.I.E. AT, 1-800-892-0123, PRIOR TO PROCEEDING WITH ANY EXCAVATION AND WORK ON THE PROJECT.

DURING CONSTRUCTION THE CONTRACTOR MAY ENCOUNTER VARIOUS TYPES OF UNDERGROUND UTILITIES THAT MAY NOT BE SHOWN ON THE PLANS. THE CONTRACTOR SHALL COOPERATE WITH THE ENGINEER AND THE OWNER OF THE UTILITY WHILE THE UTILITY COMPANY ADJUSTS THEIR FACILITIES IF NECESSARY. IF IT IS DETERMINED THAT THE UTILITY HAS BEEN ABANDONED, THE CONTRACTOR SHALL BE DIRECTED TO REMOVE THE UTILITY LINES THAT CONFLICT WITH HIS WORK AND CAP OR PLUG THE LINES AS DIRECTED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT.

THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR SHALL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH THE GUIDELINES SET FORTH IN THESE PLANS. THIS WORK SHALL NOT BE PAID SEPARATELY, BUT BE CONSIDERED INCLUDED IN THE CONTRACT, AND NO COMPENSATION WILL BE ALLOWED.

CONCRETE CURB AND GUTTER JOINTS SHALL BE SAWED/CONSTRUCTED AT A MAXIMUM OF 15 FOOT SPACING.

ALL SAW CUTS FOR REMOVALS SHALL BE FULL DEPTH WITH AN APPROVED SAW.

ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED.

WHERE THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER, JOINS THE EXISTING CURB AND GUTTER, THERE MAY BE A TRANSITION IN THE CURB AND GUTTER. THIS WORK SHALL BE CONSIDERED INCLUDED WITH COMBINATION CONCRETE CURB AND GUTTER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES, FENCES, AND OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THESE ITEMS. IT IS THE INTENT THAT ITEMS THAT DO NOT NEED TO BE DISTURBED BY THE CONSTRUCTION SHALL BE PRESERVED. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

ALL CONSTRUCTION TRAFFIC SHALL MOVE IN DIRECTION OF OPEN LANE OF TRAFFIC.

SIDEWALK DETAILS ARE PROVIDED AS A GUIDE. EXISTING CONDITIONS MAY REQUIRE MODIFICATION TO MEET ADA SPECIFICATIONS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTRUCT SIDEWALK RAMPS TO MEET FEDERAL ADA GUIDELINES.

IF THE PROPOSED CURB TYPE DOES NOT MATCH THE EXISTING CURB TYPE A TRANSITION SHALL BE CONSTRUCTED IN THE FIRST 3 FEET BETWEEN THE EXISTING AND PROPOSED CURBS, OR AS DIRECTED BY THE ENGINEER.

ANY EXCAVATION NECESSARY FOR THE CONSTRUCTION OF AGGREGATE BASE COURSE, PCC PAVEMENT, PCC PATCHES, PCC DRIVEWAY PAVEMENT OR PCC SIDEWALK TO THE PROPER ELEVATION SHALL BE CONSIDERED INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

LOCATION	PIATT AND WING
MIXTURE USE	PATCHING
AC/PG	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes= 50
MIX COMP (GRADATION)	IL 9.5
FRICTION AGG	MIX C
MIXTURE WEIGHT	112
QUALITY MANAGEMENT PROGRAM	OC/OA
SUBLOT SIZE	N.A.

**SUMMARY OF QUANTITIES  
FOR PIATT STREET AND WING STREET**

SP	Code No	Pay Item	Unit	80% Federal		20% Local	
				Total	Piatt Street	Wing Street	
	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	17,305	12034	5271	
	42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	1,920	756	1164	
	42400800	DETECTABLE WARNINGS	SQ FT	252	188	64	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	30	30		
	* 44000600	SIDEWALK REMOVAL	SQ FT	19,211	12,633	6,578	
Δ	44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	112	70	42	
	50105220	PIPE CULVERT REMOVAL	FOOT	69	69		
*	50901760	PIPE HANDRAIL	FOOT	39	39		
*	542D0211	PIPE CULVERTS, CLASS D, TYPE 1 6"	FOOT	60	60		
*	542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	20	20		
*	60100905	PIPE DRAINS 4"	FOOT	24	24		
*	60260100	INLETS TO BE ADJUSTED	EACH	1		1	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	30	30		
	67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3	1.5	1.5	
	67100100	MOBILIZATION	L SUM	1	0.5	0.5	
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.5	0.5	
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	0.5	0.5	
Δ	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	825	608	217	
Δ	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	16	16		
*	Z0026400	FURNISHING AND PLACING SAND FILL	CU YD	14	14		
*	Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	1	1		
*	X0696100	PARKING BLOCKS	EACH	27	27		
*	X4240420	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL	SQ FT	222	222		

NOTE:  
 \* DENOTES SPECIAL PROVISION  
 Δ SPECIALTY ITEMS

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PLOT DATE = 3/15/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES AND SUMMARY OF QUANTITIES**

SHEET NO 1 OF 2 SHEETS

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
VAR	14-00100-00-SW	PIATT	16	2
			CONTRACT NO 91523	
[ILLINOIS] FEDERAL AID PROJECT				



**LEGEND**

**EXISTING**

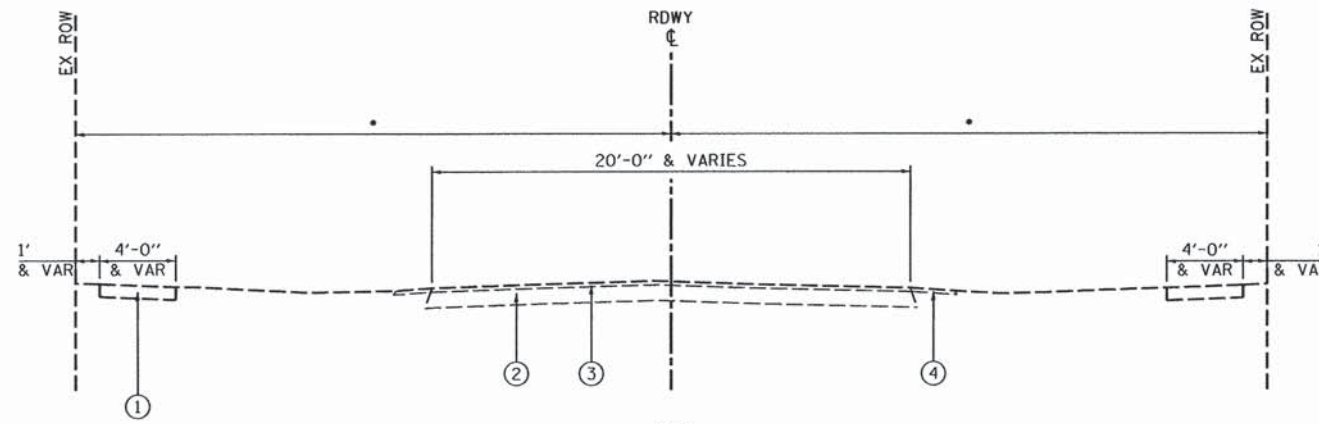
- ① EXISTING 4"-6" PCC/BRICK SIDEWALK
- ② EXISTING PAVEMENT
- ③ EXISTING A3 SURFACE TREATMENT
- ④ EXISTING AGGREGATE SHOULDER

**PROPOSED**

- Ⓐ 4"-6" PCC SIDEWALK - EAST SIDE PIATT STREET  
- SOUTH SIDE WING STREET

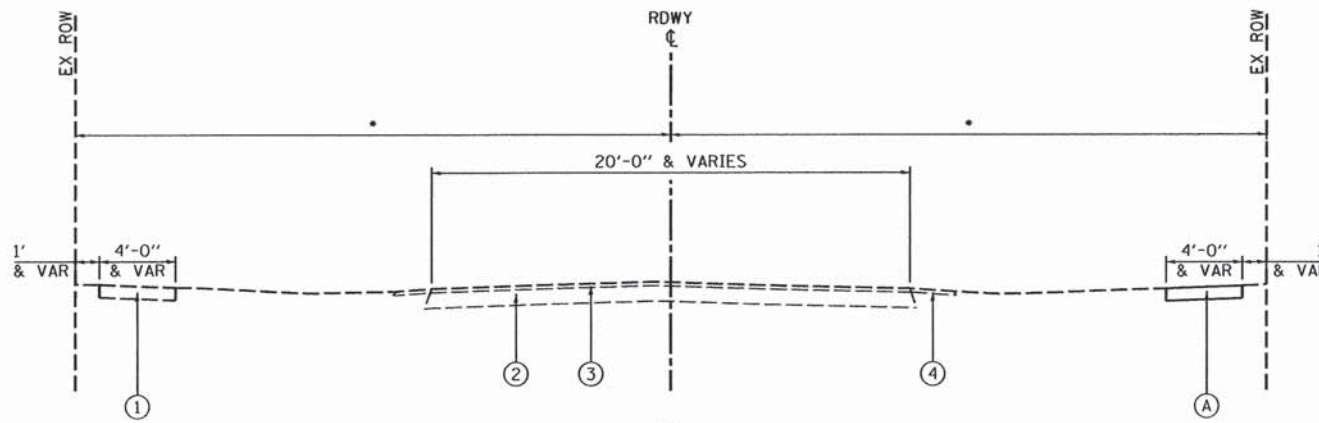
**NOTE:**

- 50' EXISTING RIGHT OF WAY ON PIATT STREET
- 30' EXISTING RIGHT OF WAY ON WING STREET



**EXISTING TYPICAL SECTION**

PIATT STREET STA 0+00.0 TO STA 48+30.0  
WING STREET STA 0+00.0 TO STA 24+00.0



**PROPOSED TYPICAL SECTION**

PIATT STREET STA 0+00.0 TO STA 48+30.0  
WING STREET STA 0+00.0 TO STA 24+00.0

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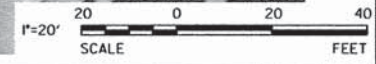
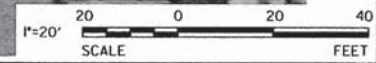
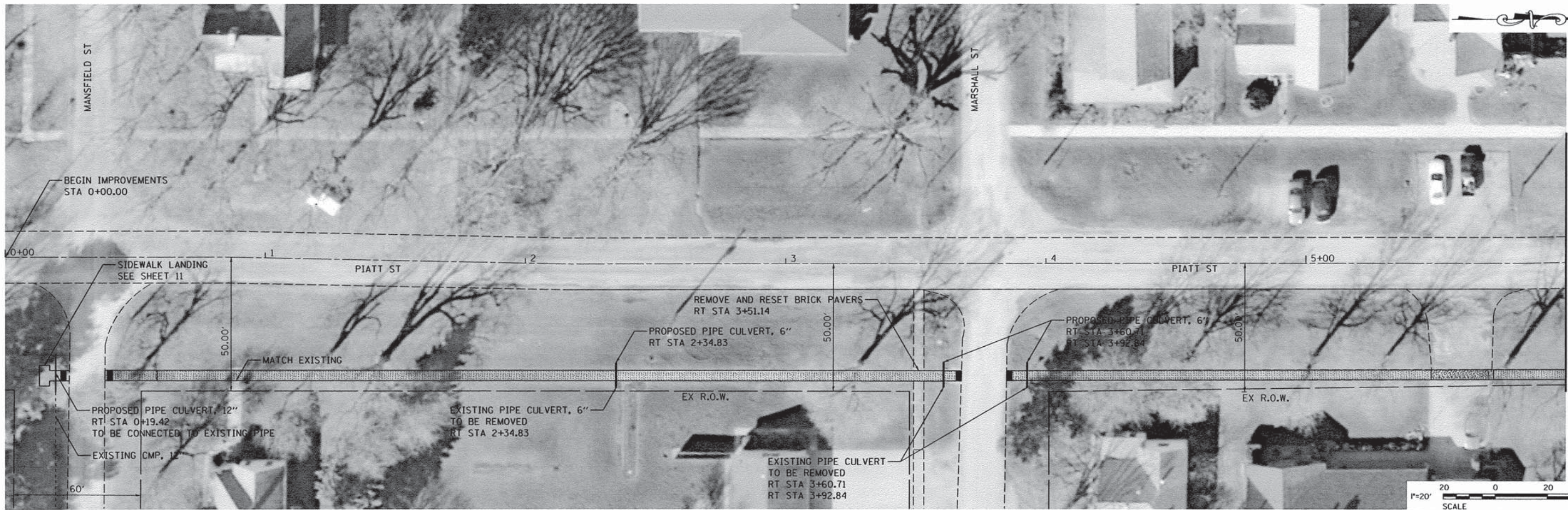
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	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SAFE ROUTES TO SCHOOL  
TYPICAL SECTIONS**

SHEET NO 1 OF 9 SHEETS

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
VAR	14-00100-00-SW	PIATT	16	4
CONTRACT NO 91523				
ILLINOIS FEDERAL AID PROJECT				



- REMOVE EXISTING AND REPLACE PCC SIDEWALK, 4"
- REMOVE EXISTING AND REPLACE PCC SIDEWALK, 6"
- DETECTABLE WARNING
- REMOVE EXISTING PCC SIDEWALK
- PCC SIDEWALK, 4"

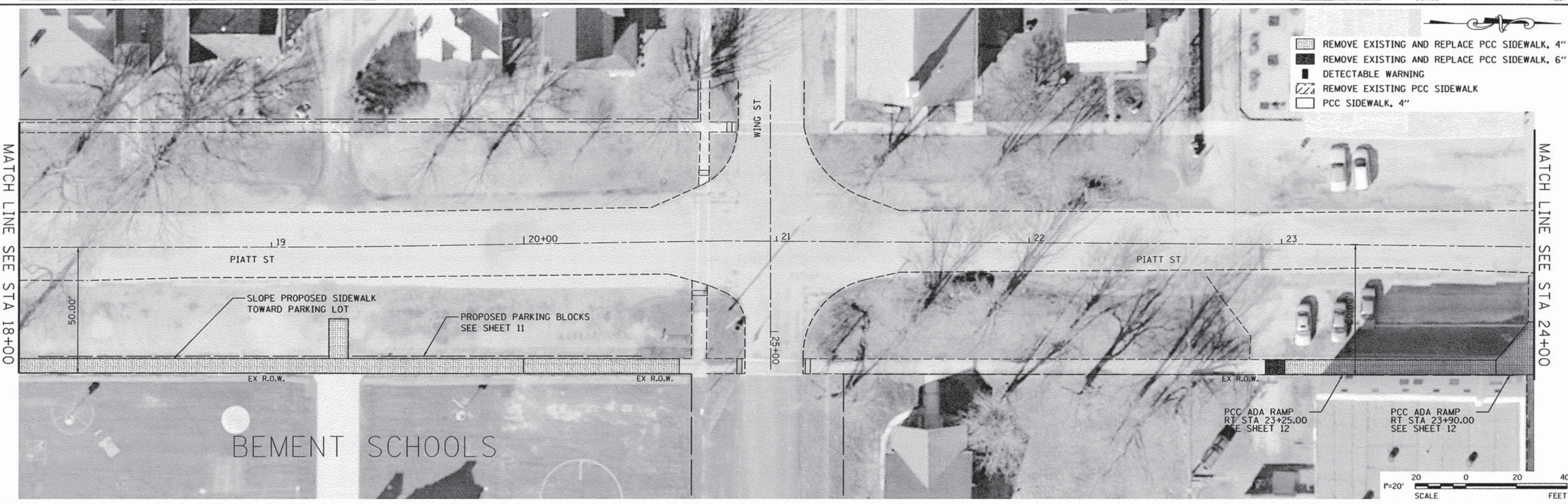
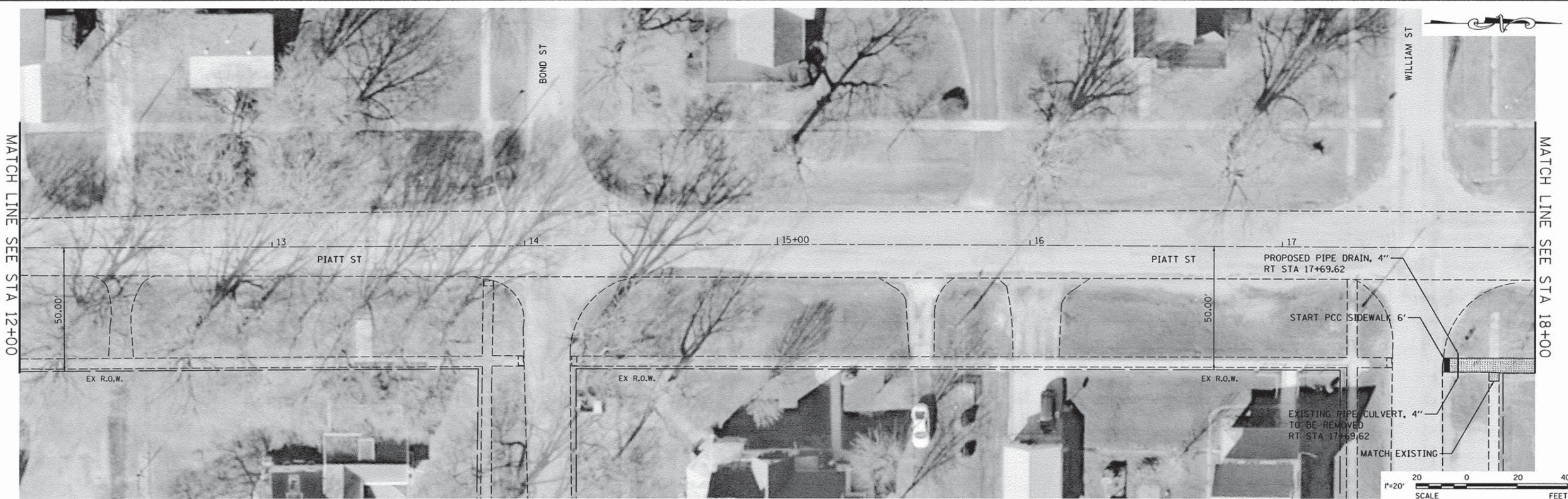
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		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1"=20'	SHEET NO 2 OF 9 SHEETS	STA 0+00.00 TO STA 12+00.00
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F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
VAR	14-00100-00-SW	PIATT	16	5
CONTRACT NO 91523				
ILLINOIS FEDERAL AID PROJECT				



- REMOVE EXISTING AND REPLACE PCC SIDEWALK, 4"
- REMOVE EXISTING AND REPLACE PCC SIDEWALK, 6"
- DETECTABLE WARNING
- REMOVE EXISTING PCC SIDEWALK
- PCC SIDEWALK, 4"

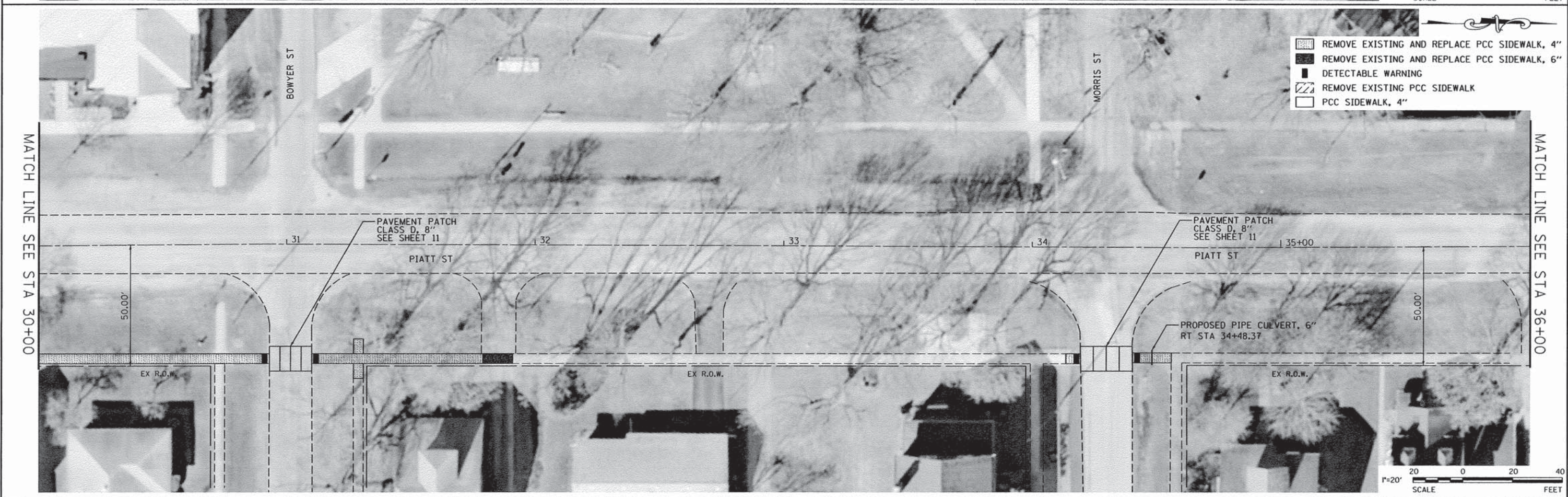
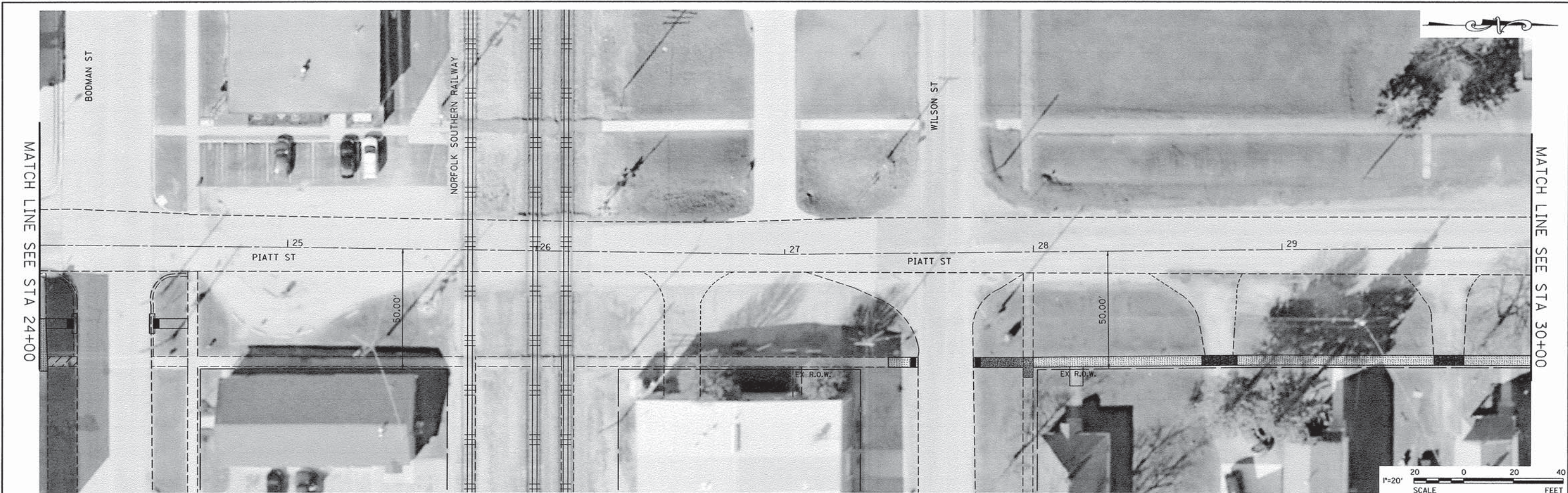
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	PLOT DATE = 3/15/2016	CHECKED -	REVISED - PS 02/02/2016
		DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>SAFE ROUTES TO SCHOOL</b> <b>PIATT STREET PLAN</b>		
SCALE: 1"=20'	SHEET NO 3 OF 9 SHEETS	STA 12+00.00 TO STA 24+00.00

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
VAR	14-00100-00-SW	PIATT	16	6
<b>CONTRACT NO 91523</b>				
ILLINOIS FEDERAL AID PROJECT				



- REMOVE EXISTING AND REPLACE PCC SIDEWALK, 4"
- REMOVE EXISTING AND REPLACE PCC SIDEWALK, 6"
- DETECTABLE WARNING
- REMOVE EXISTING PCC SIDEWALK
- PCC SIDEWALK, 4"

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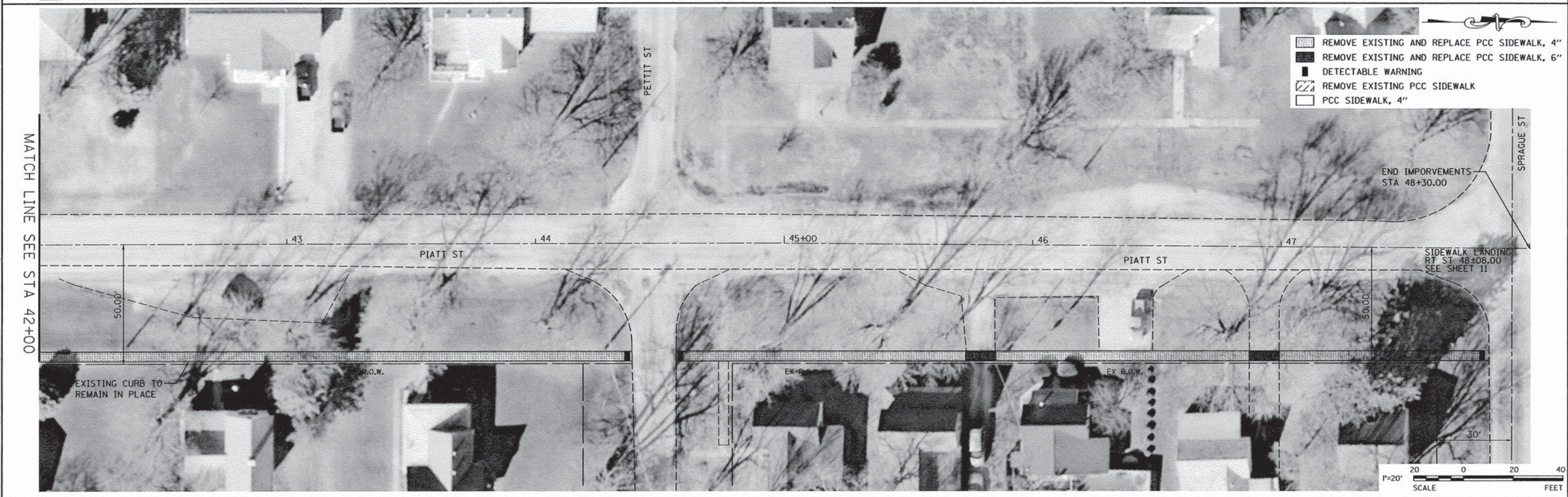
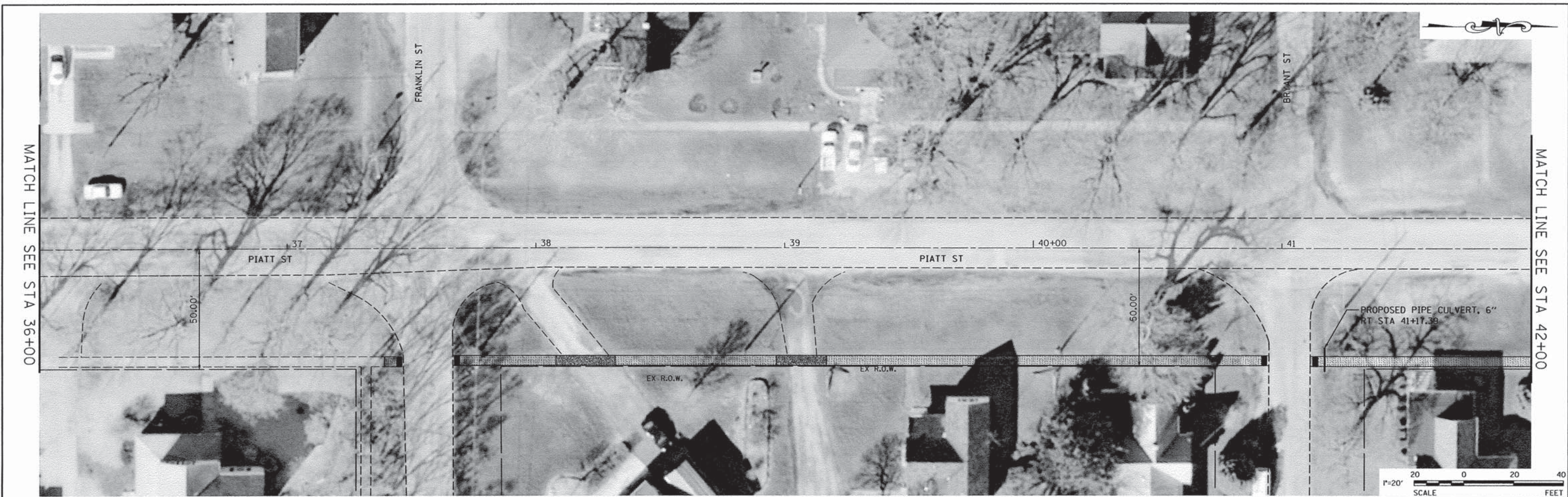
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		DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SAFE ROUTES TO SCHOOL**  
**PIATT STREET PLAN**

SCALE: 1"=20'    SHEET NO 4 OF 9 SHEETS    STA 24+00.00 TO STA 36+00.00

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
VAR	14-00100-00-SW	PIATT	16	7
CONTRACT NO 91523				
ILLINOIS FEDERAL AID PROJECT				



- REMOVE EXISTING AND REPLACE PCC SIDEWALK, 4"
- REMOVE EXISTING AND REPLACE PCC SIDEWALK, 6"
- DETECTABLE WARNING
- REMOVE EXISTING PCC SIDEWALK
- PCC SIDEWALK, 4"

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		DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SAFE ROUTES TO SCHOOL**  
**PIATT STREET PLAN**

SCALE: 1"=20'    SHEET NO 5 OF 9 SHEETS    STA 36+00.00 TO STA 48+30.00

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
VAR	14-00100-00-SW	PIATT	16	8
CONTRACT NO 91523				
ILLINOIS FEDERAL AID PROJECT				





- REMOVE EXISTING AND REPLACE PCC SIDEWALK, 4"
- REMOVE EXISTING AND REPLACE PCC SIDEWALK, 6"
- DETECTABLE WARNING
- REMOVE EXISTING PCC SIDEWALK
- PCC SIDEWALK, 4"

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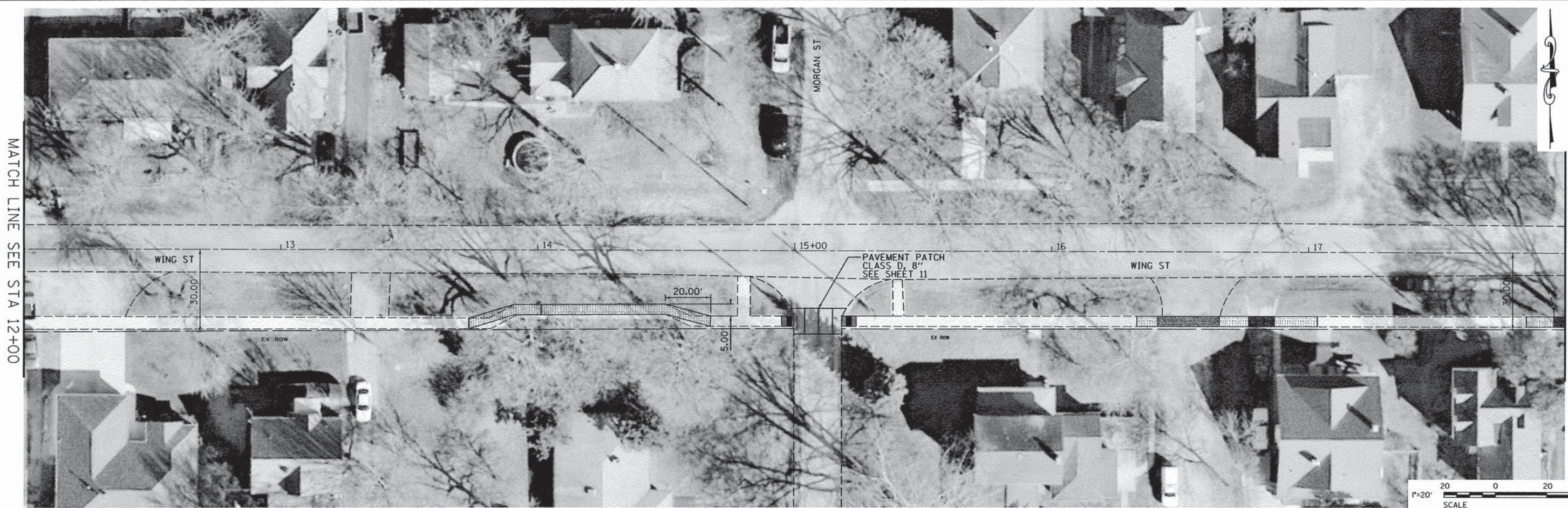
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SAFE ROUTES TO SCHOOL  
 WING STREET PLAN**

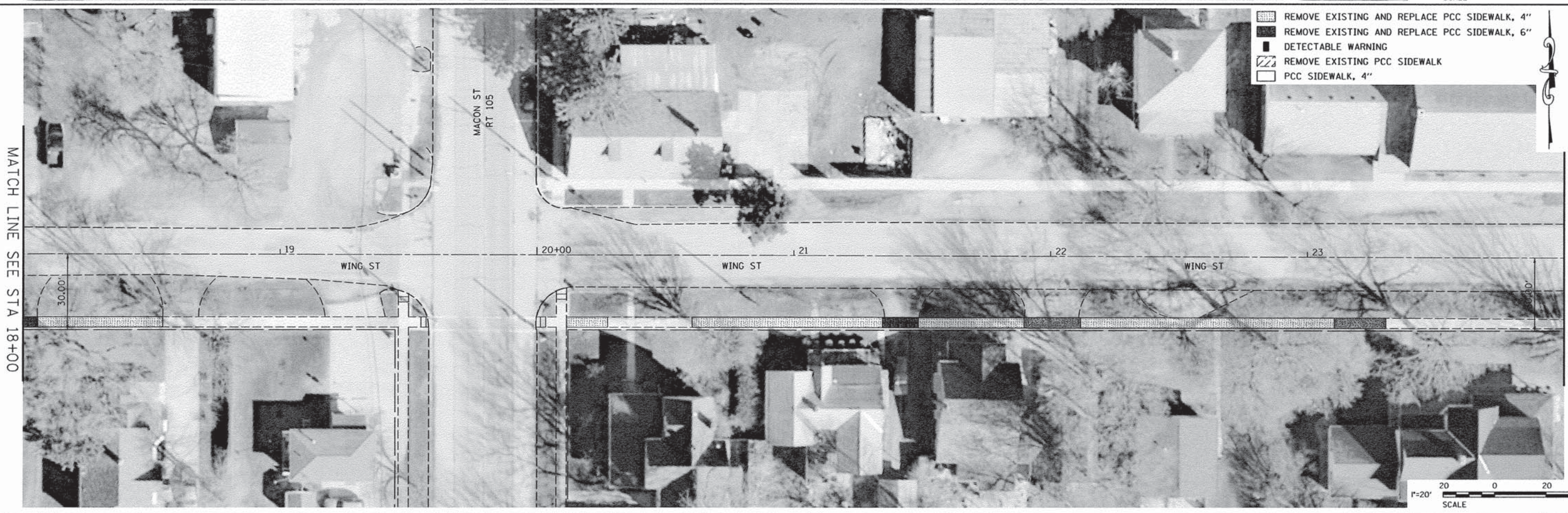
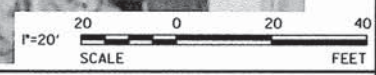
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F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
VAR	14-00100-00-SW	PIATT	16	9
CONTRACT NO 91523				
ILLINOIS FEDERAL AID PROJECT				



MATCH LINE SEE STA 12+00

MATCH LINE SEE STA 18+00



MATCH LINE SEE STA 18+00

MATCH LINE SEE STA 24+00

- REMOVE EXISTING AND REPLACE PCC SIDEWALK, 4"
- REMOVE EXISTING AND REPLACE PCC SIDEWALK, 6"
- DETECTABLE WARNING
- REMOVE EXISTING PCC SIDEWALK
- PCC SIDEWALK, 4"



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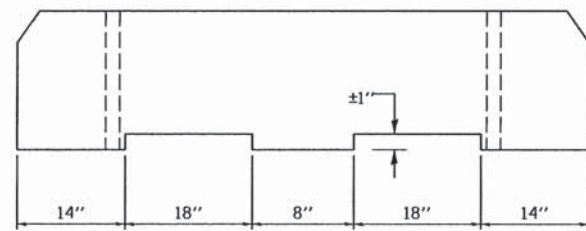
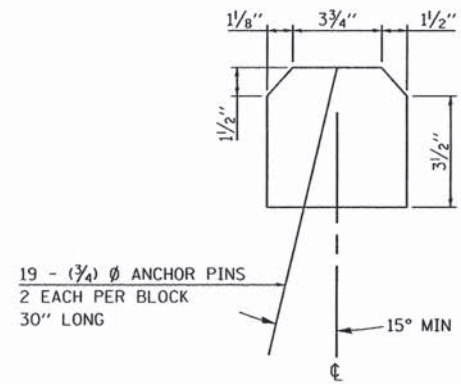
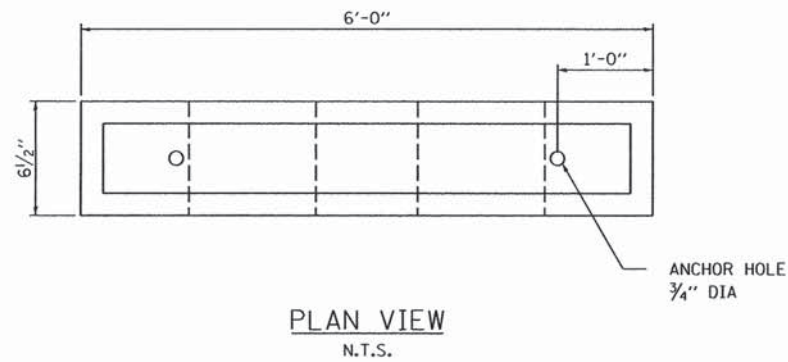


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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

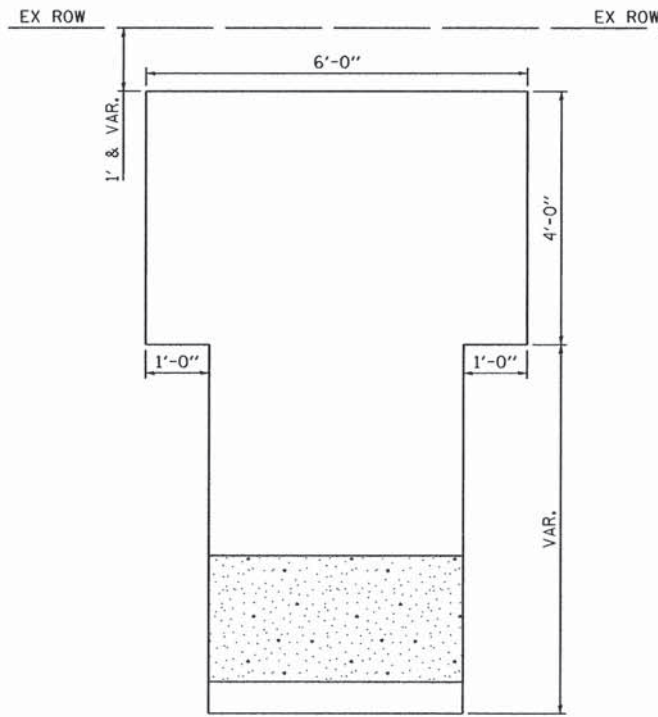
**SAFE ROUTES TO SCHOOL**  
**WING STREET PLAN**  
 SCALE: 1"=20'    SHEET NO 7 OF 9 SHEETS    STA 12+00.00 TO STA 24+00.00

F.A. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
VAR	14-00100-00-SW	PIATT	16	10
CONTRACT NO 91523				
ILLINOIS FEDERAL AID PROJECT				

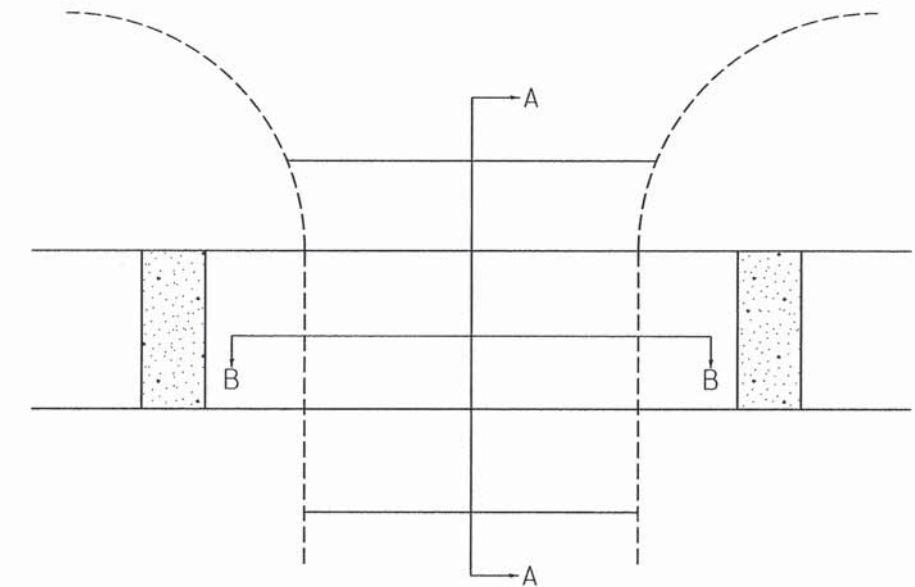


**PARKING BLOCK DETAIL**  
N.T.S.

NOTE: NOMINAL DIMENSIONS OF BLOCKS MAY VARY  
CLASS P.C. CONCRETE SHALL BE USED THROUGHOUT.



RT STA 0±19 (PIATT ST)  
RT STA 48±08 (PIATT ST)  
LT STA 0±40 (WING ST)

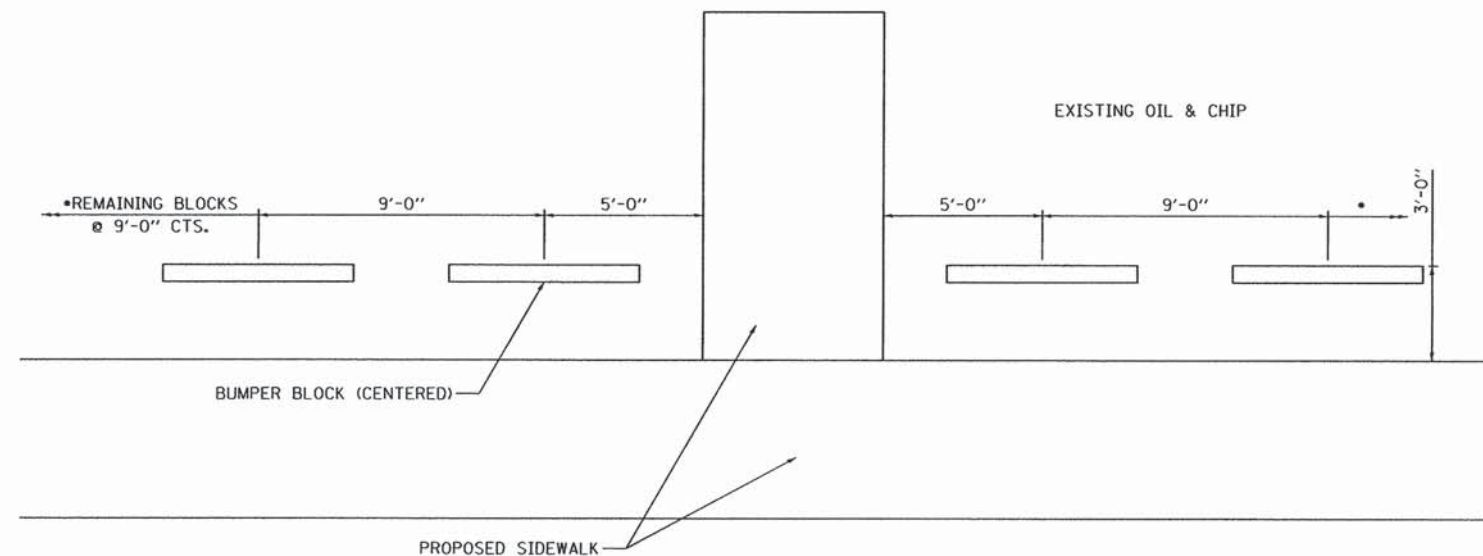


**SECTION A-A**

**SECTION B-B**

**CLASS D PATCH DETAIL**  
N.T.S.

RT STA 31±00 BOYER ST (PIATT ST)  
RT STA 34±35 MORRIS ST (PIATT ST)  
RT STA 15±10 MORGAN ST (WING ST)



**DETAIL OF PARKING BLOCK SPACING**  
N.T.S.

PRINTED DATE: 3/15/2016  
FILE NAME: N:\Projects\Bement\_Village of\CADD\Drawings\Exhibits\11\_Details.dgn



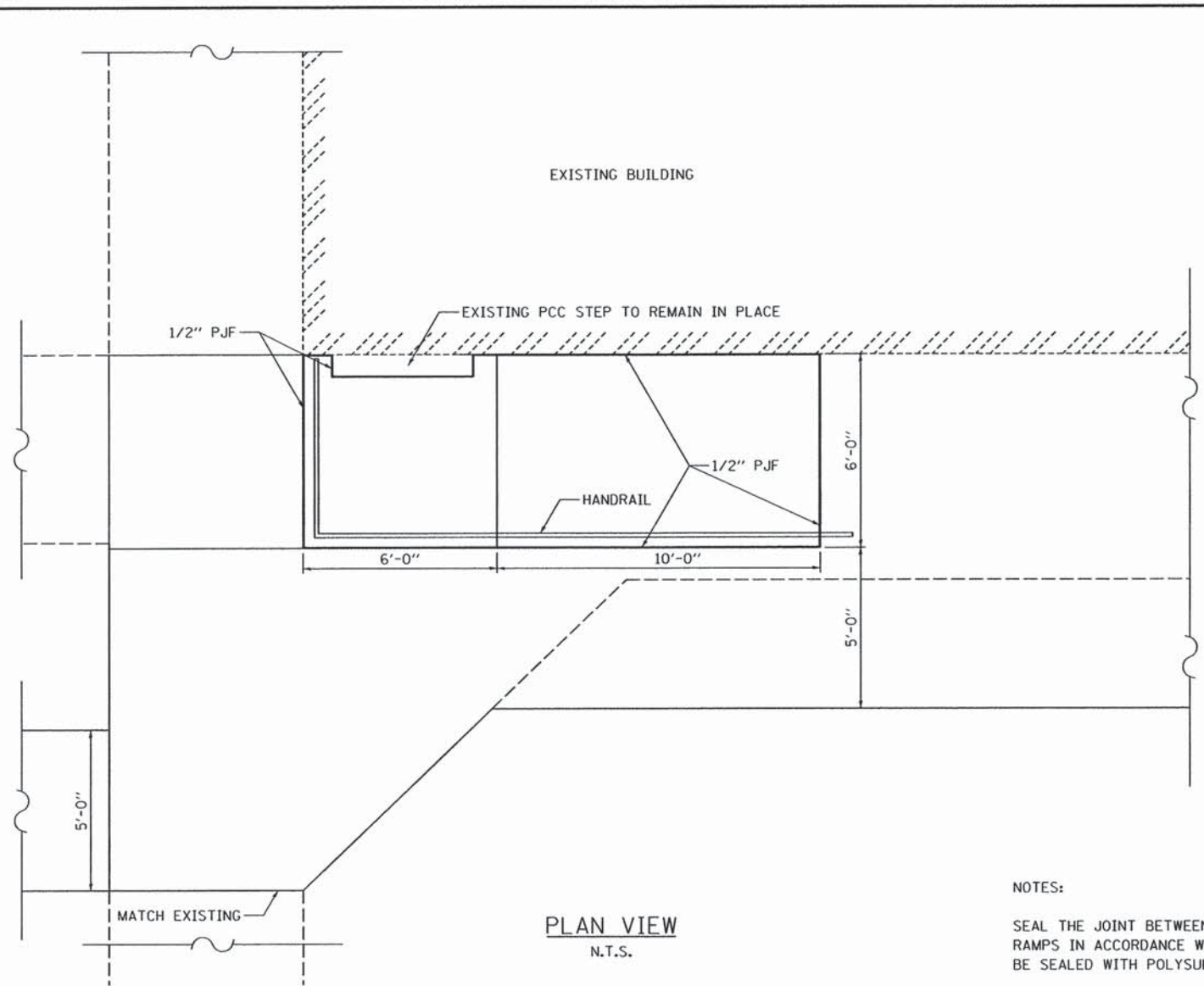
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PLOT DATE = 3/15/2016	DRAWN -	REVISED - PS 02/02/2016
	CHECKED -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

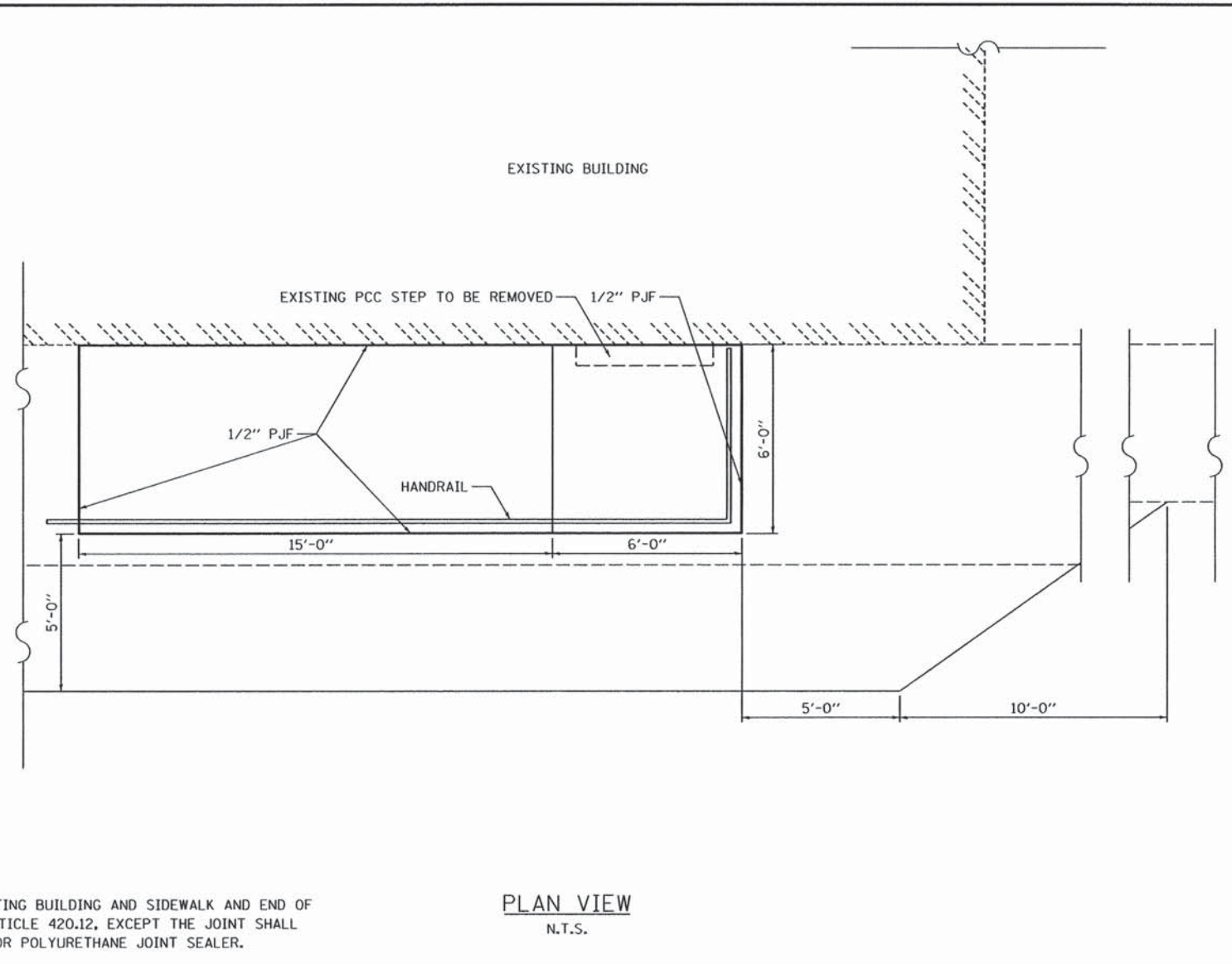
**VARIOUS DETAILS**

SHEET NO 8 OF 9 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	14-00100-00-SW	PIATT	16	11
CONTRACT NO. 91523			ILLINOIS FED. AID PROJECT	

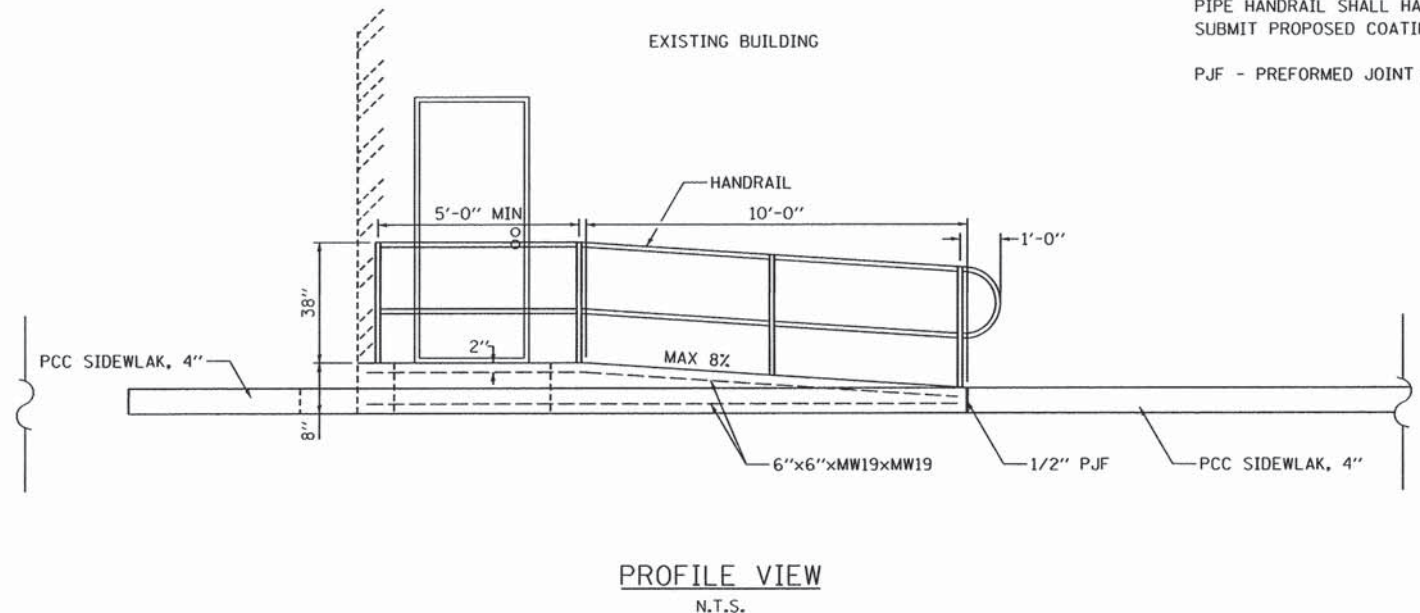


PLAN VIEW  
N.T.S.

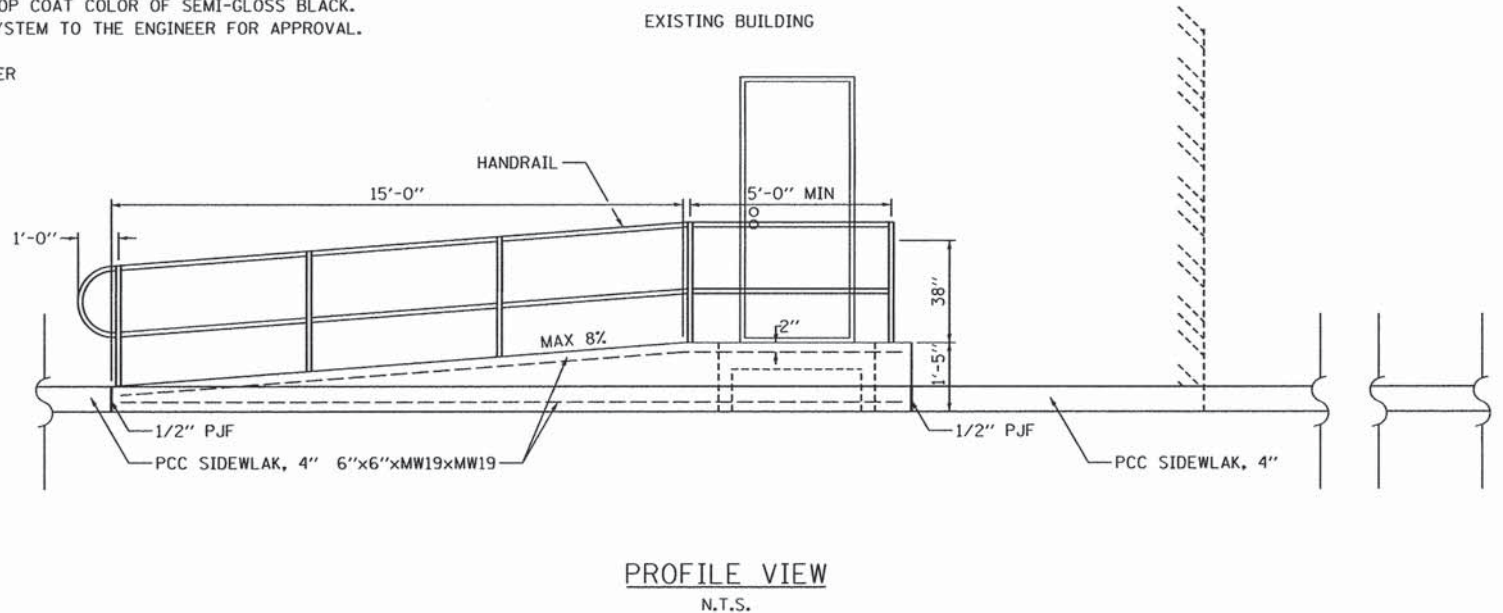


PLAN VIEW  
N.T.S.

NOTES:  
 SEAL THE JOINT BETWEEN EXISTING BUILDING AND SIDEWALK AND END OF RAMP IN ACCORDANCE WITH ARTICLE 420.12, EXCEPT THE JOINT SHALL BE SEALED WITH POLYSULFIDE OR POLYURETHANE JOINT SEALER.  
 PIPE HANDRAIL SHALL HAVE FULL PENETRATION WELD CONNECTIONS AT CORNERS AND MACHINE GROUND SMOOTH TREATMENT.  
 PIPE HANDRAIL SHALL HAVE TOP COAT COLOR OF SEMI-GLOSS BLACK. SUBMIT PROPOSED COATING SYSTEM TO THE ENGINEER FOR APPROVAL.  
 PJF - PREFORMED JOINT FILLER



PROFILE VIEW  
N.T.S.



PROFILE VIEW  
N.T.S.

PRINTED DATE: 3/15/2016  
FILE: \\ESL\N\Projects\Bement, Village of\CADD\Drawings\Exhibits\12\_Details.dgn



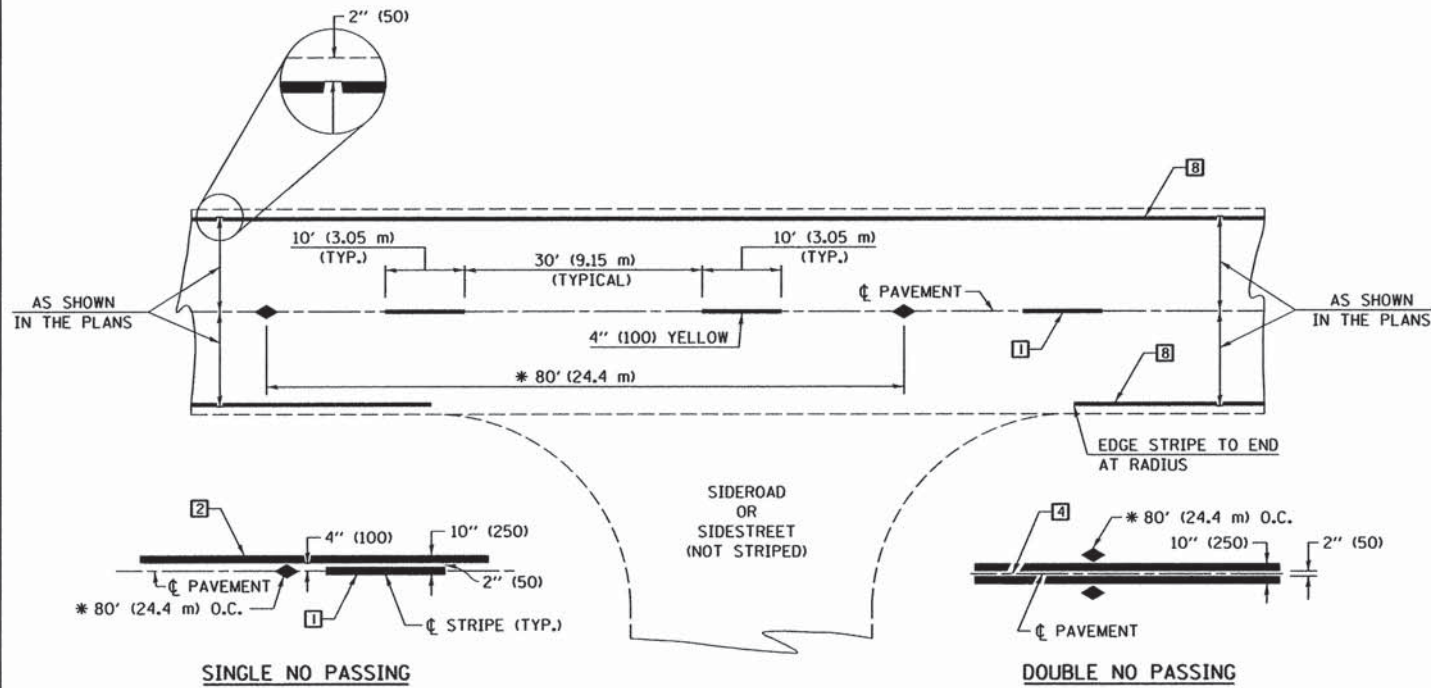
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	CHECKED -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIDEWALK RAMP & RAILING  
DETAILS

SHEET NO 9 OF 9 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	14-00100-00-SW	PIATT	16	12
CONTRACT NO. 91523				
ILLINOIS FED. AID PROJECT				



\* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

**TWO LANE/TWO WAY**

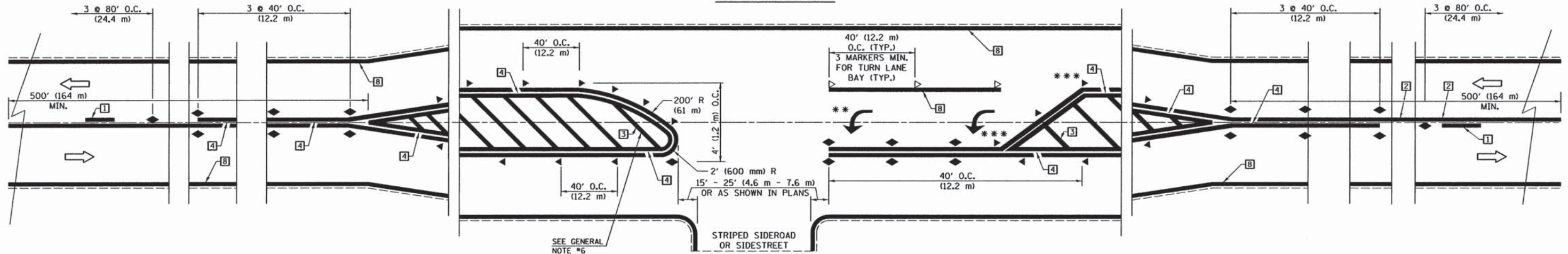
**TYPICAL PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE)
- 14 4" (100) PARKING WHITE

**TYPICAL PAVEMENT MARKERS LEGEND**

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

**RURAL LEFT TURN**



\*\*\* REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

\*\* TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

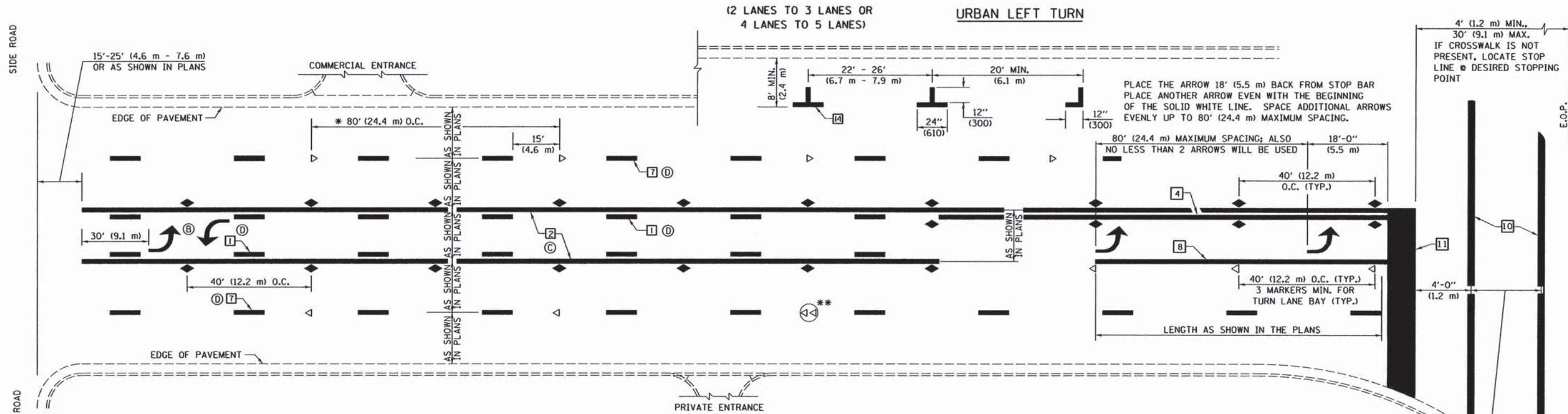
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	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)**

SHEET NO. 1 OF 4 SHEETS

<b>DISTRICT 5 DETAIL NO. 7800AAAA</b>				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	14-00100-00-SW	PIATT	16	13
CONTRACT NO. 91523				
ILLINOIS FED. AID PROJECT				

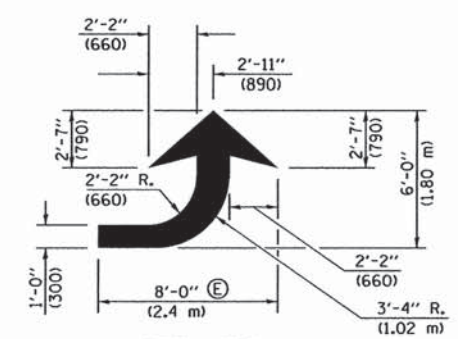


\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

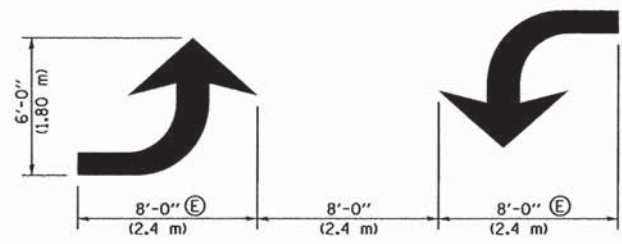
**GENERAL NOTES:**

- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- (D) THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- (E) USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



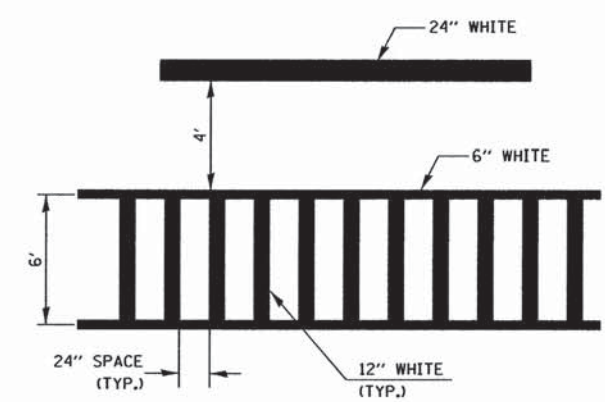
**LEFT ARROW**

REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
(WHITE)

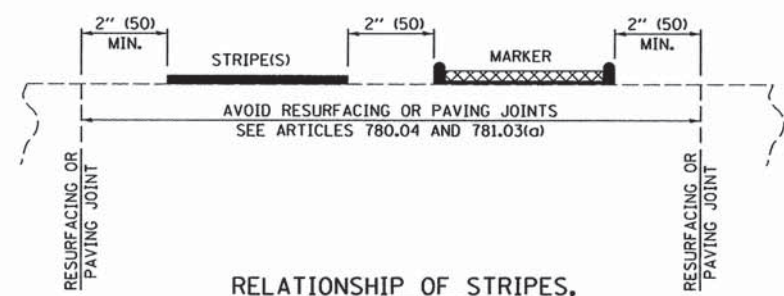


**TYPICAL DOUBLE TURN ARROWS (WHITE)**

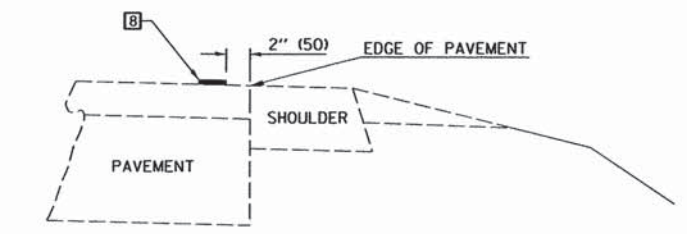
**BLOOMINGTON-NORMAL CITY LIMITS ONLY**



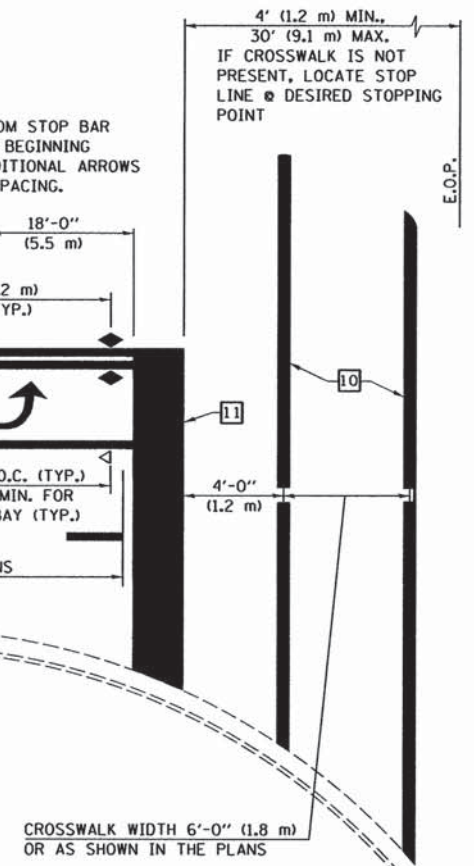
**TYPICAL SPACING FOR CROSSWALKS & STOP BARS**



**RELATIONSHIP OF STRIPES, MARKERS AND JOINTS**



**RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT**  
(SAFETY SHOULDER OR PAVED SURFACE)  
SEE ARTICLE 780.04



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

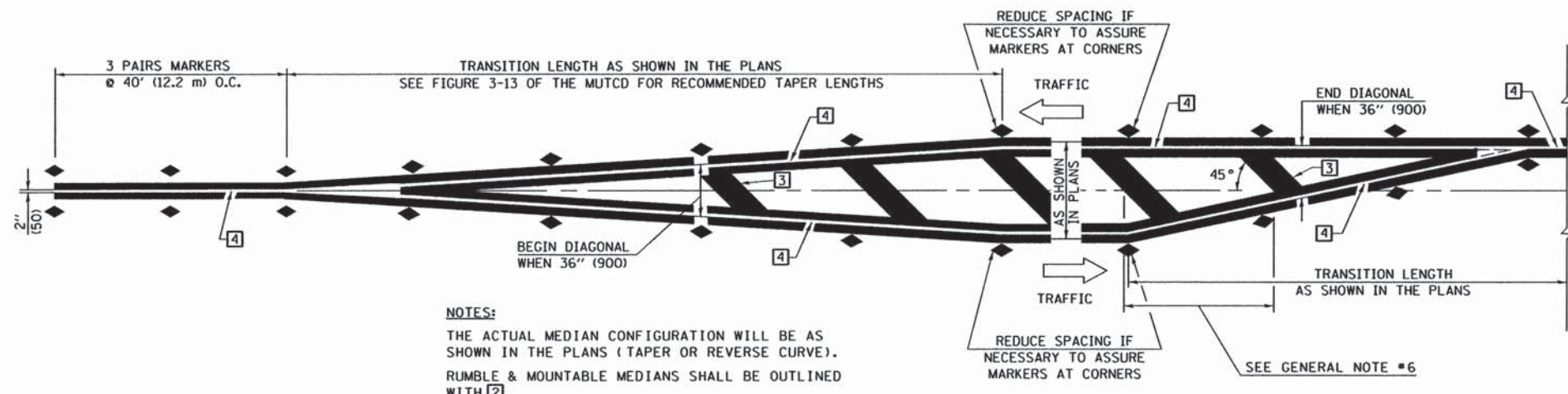
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	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 3/15/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)**

SHEET NO. 2 OF 4 SHEETS

<b>DISTRICT 5 DETAIL NO. 7800AAAA</b>				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	14-00100-00-SW	PIATT	16	14
CONTRACT NO. 91523				
ILLINOIS FED. AID PROJECT				

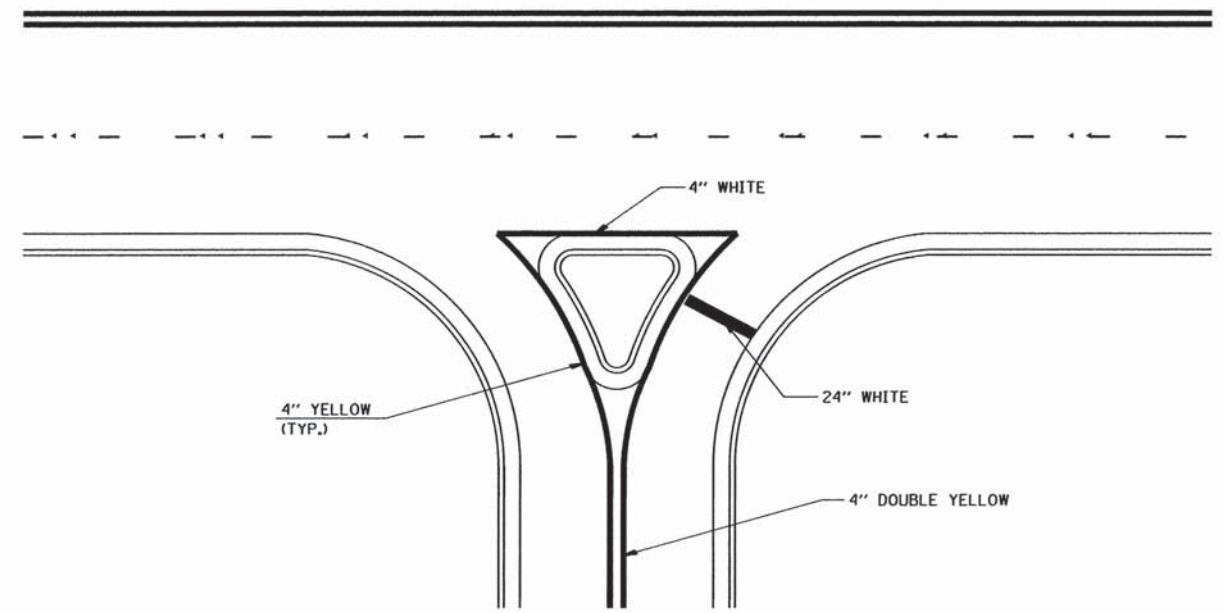


**NOTES:**  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).  
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

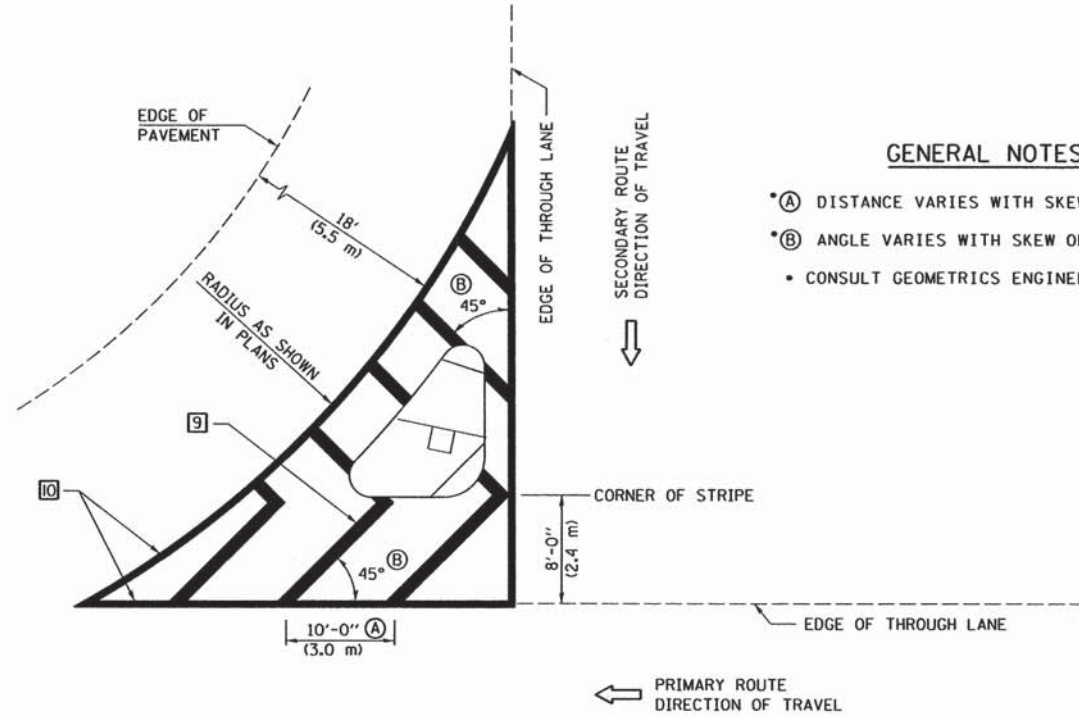
**TYPICAL MEDIAN TRANSITIONS**

**GENERAL NOTES**

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,  
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)  
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)  
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



**RIGHT IN - RIGHT OUT ACCESS**



**GENERAL NOTES**

- (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- (B) ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

**ISLAND**

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

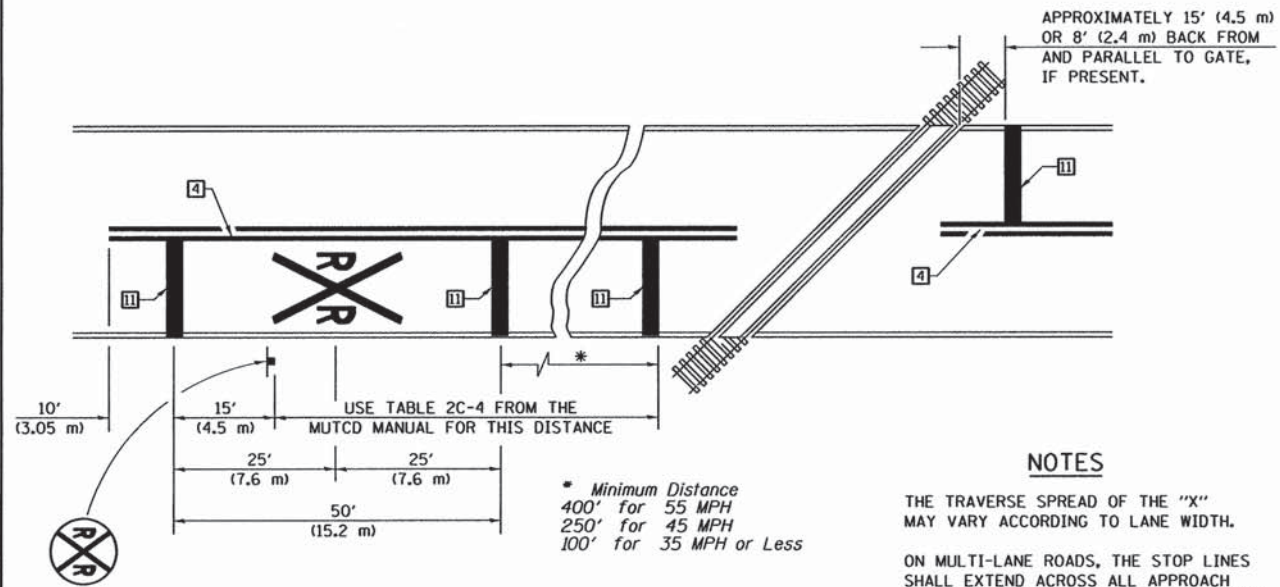
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	PLOT DATE = 3/15/2016	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS  
 (RURAL & URBAN APPLICATIONS)**

SHEET NO. 3 OF 4 SHEETS

DISTRICT 5 DETAIL NO. 7800AAAA				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	14-00100-00-SW	PIATT	16	15
CONTRACT NO. 91523				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

\* Minimum Distance  
400' for 55 MPH  
250' for 45 MPH  
100' for 35 MPH or Less

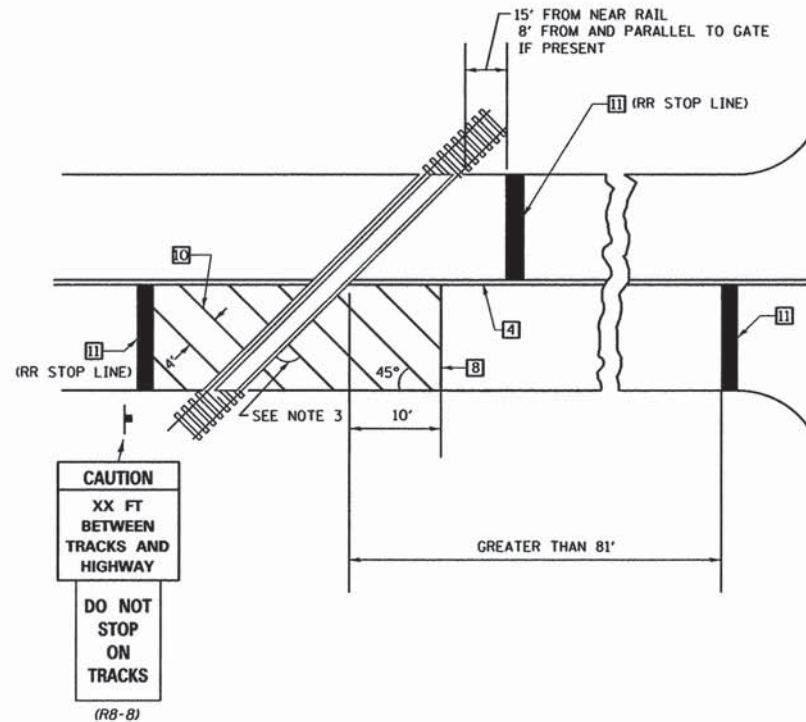
NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

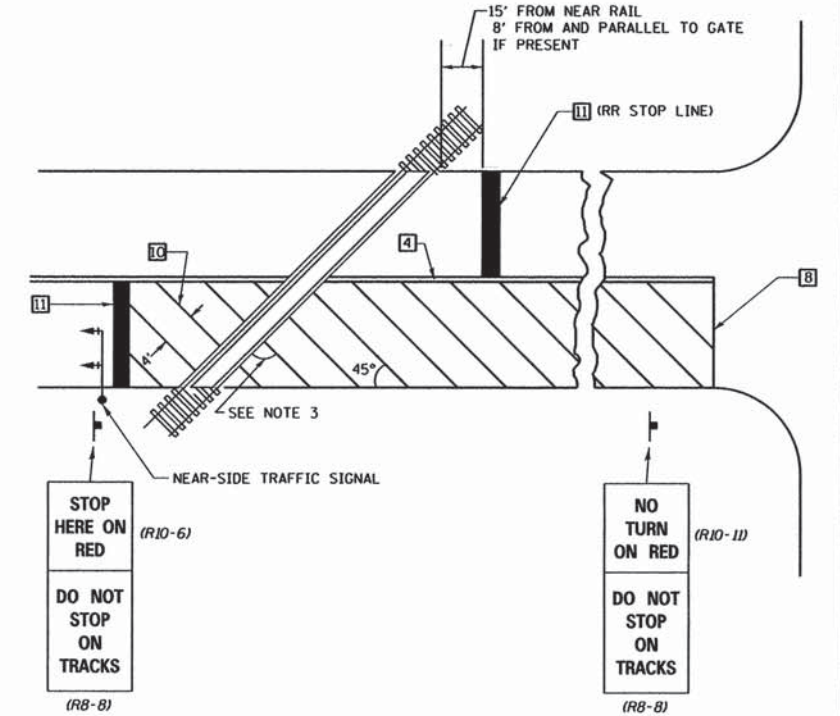
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXX SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

RAILROAD CROSSING WITH INTERCONNECT ONLY



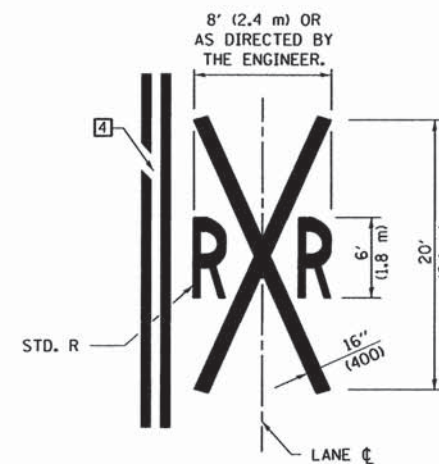
RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
3. WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.



Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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PLLOT DATE = 3/15/2016		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)

SHEET NO. 4 OF 4 SHEETS

DISTRICT 5 DETAIL NO. 7800AAAA				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	14-00100-00-SW	PIATT	16	16
			CONTRACT NO. 91523	
ILLINOIS FED. AID PROJECT				